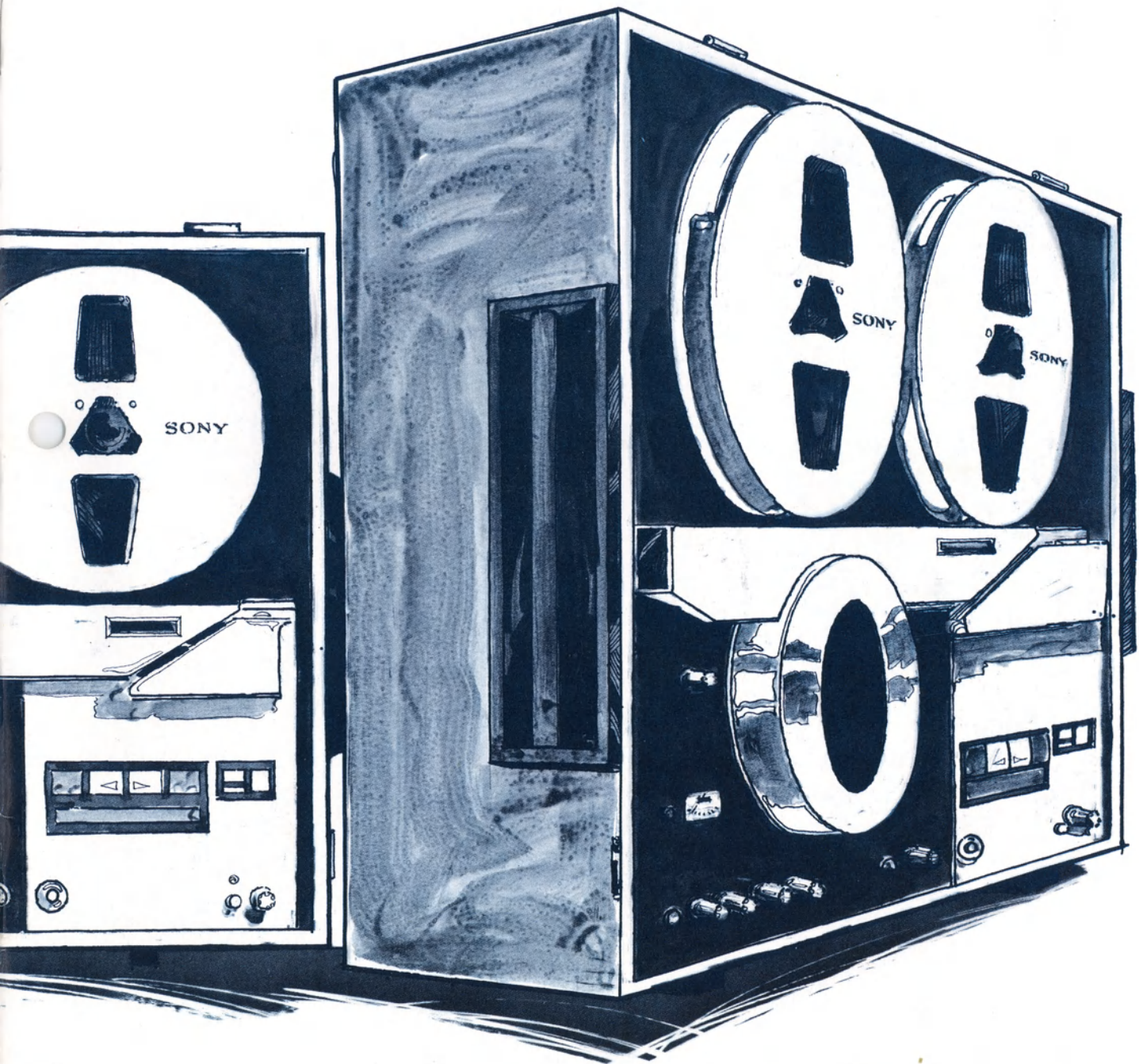


# SONY®

## Video Products



**EV SERIES 1 inch TAPE**  
**Videocorder® and Accessories**

## SONY VTR — World Leader in

□ Versatility □ Technology □ Reliability

---

Scientific research and engineering design have made SONY today's leader in VTR around the world. One inch video tape applications number in the hundreds and SONY's EV Series takes care of them all. The EV Series Video Tape Recorders are extremely rugged and reliable. They are easy to operate with color coded push button controls, automatic end of tape shut off, and simple tape threading. All are versatile with two channel audio, variable slow motion during playback and stop action. The EV Series Video Tape Recorders provide such features as full NTSC Color, capstan servo electronic editing and time lapse recording of up to 60 hours on a reel of tape. The SONY policy of reliability is your assurance of years of trouble free operation.

**Video Cameras** — SONY offers a superior line of high performance cameras to meet your specific needs.

**Video Tapes** — SONY which has been producing magnetic tape for as long as magnetic tapes have existed, today makes the best and most popular video tape available.

**Microphones** — SONY Electret Condenser microphones are the first professional quality microphones ever mass produced with low cost and high reliability.

**Monitors and Accessories** — SONY completes the picture providing maximum flexibility with a full line of monitors, both monochrome and color in a variety of sizes. SONY cables and connectors facilitate VTR installation in any location.

SONY has established a nationwide network of franchised dealers. All have been carefully selected on the basis of their expertise and capability in the video tape field. In addition, quality service is available throughout the country at locally authorized service centers as well as SONY Regional Service Centers.



**Index**

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**Table of contents**

page

|            |    |           |    |
|------------|----|-----------|----|
| AVC-3200   | 4  | Lens-214  | 10 |
| AVC-3200DX | 4  | Lens-507  | 10 |
| AVC-3200K  | 4  | MX-800    | 9  |
| AVF-3200   | 10 | PC-1      | 9  |
| AXC-1      | 9  | PC-2      | 9  |
| AXC-5      | 9  | PVJ-510   | 5  |
| AXC-10     | 9  | PVJ-3030  | 5  |
| BR-8       | 7  | PVJ-51RU  | 5  |
| CCF-5      | 11 | PVJ-307RU | 5  |
| CCF-10     | 11 | RCC-10    | 12 |
| CCF-25     | 11 | RCC-15    | 12 |
| CCF-50     | 11 | RGC-5     | 11 |
| CG-1       | 11 | RGC-15    | 11 |
| CLP-1B     | 12 | RGC-25    | 11 |
| CMC-1      | 11 | RGC-50    | 11 |
| CVM-110U   | 5  | RI-8V     | 7  |
| CVM-1200U  | 5  | RI-8VP    | 7  |
| CVM-180UA  | 5  | RMM-1     | 12 |
| CVM-220UA  | 5  | RMM-2     | 12 |
| CVM-51UWP  | 5  | SEG-1     | 10 |
| DA-10      | 13 | TD-1      | 11 |
| DXC-2000A  | 4  | TD-200    | 11 |
| DXF-4      | 10 | V-11-30   | 7  |
| EC-5M      | 9  | V-11-30A  | 7  |
| EC-10M     | 9  | V-11-60   | 7  |
| EC-25M     | 9  | V-11-60A  | 7  |
| ECM-19B    | 8  | VCL-16    | 10 |
| ECM-21     | 8  | VCL-20    | 10 |
| ECM-22     | 8  | VCS-31    | 11 |
| ECM-50     | 8  | VGR-1     | 11 |
| ECM-53B    | 8  | VMC-10A   | 13 |
| EV-300     | 2  | VMC-25A   | 13 |
| EV-310     | 2  | VMC-1B    | 13 |
| EV-320     | 3  | VMC-10B   | 13 |
| EV-330 TLV | 3  | VMC-25B   | 13 |
| EVR-310    | 12 | VMC-50B   | 13 |
| EXC-1A     | 9  | VMC-1C    | 13 |
| EXC-1B     | 9  | VMC-1D    | 13 |
| EXC-1C     | 9  | VMC-1E    | 13 |
| F-98       | 8  | VMC-5E    | 13 |
| IB-4       | 6  | VMC-1H    | 13 |
| IB-5       | 6  | VMC-1J    | 13 |

|                                              |         |
|----------------------------------------------|---------|
| Video Tape Recorders .....                   | 2 & 3   |
| Video Cameras & Video Camera Ensembles ..... | 4       |
| Monitors .....                               | 5       |
| Scan Converters .....                        | 6       |
| Video Tapes .....                            | 7       |
| Microphones .....                            | 8       |
| Microphone Accessories .....                 | 9       |
| Video Camera Accessories .....               | 10 & 11 |
| Video Tape Recorder Accessories .....        | 12      |
| Monitor Accessories .....                    | 13      |

# Video Tape Recorders



## Sony 1 Inch Tape Videocorder model **EV-300**

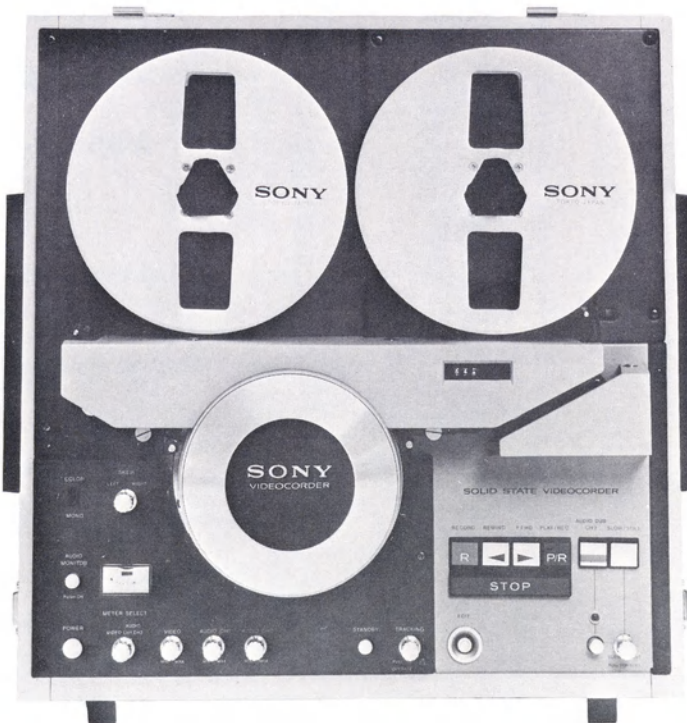
A portable high quality VTR with maximum economy. Features include 2 channel audio, slow motion and stop action in the playback mode; editing and audio dubbing after recording. This machine comes in a wood cabinet with a clear plastic cover and is rack mountable. The EV-300 can be controlled from remote locations (using EVR-310 Remote Control Unit) and has tape interchangeability with all SONY EV series video tape recorders.

Dimensions: 18-13/16" (W) x 11-1/8" (H) x 19-3/16" (D). Weight 77 lbs.

## Sony 1 Inch Tape Videocorder model **EV-310**

A portable high quality video tape recorder for either full NTSC color (using CLP-1B Color Pack) or monochrome recording. Features include 2 channel audio, slow motion and stop action in playback mode; editing and audio dubbing after recording. Comes in metal case, and is rack mountable; can be controlled from a remote location (using EVR-310 Remote Control Unit) and has tape interchangeability with all SONY EV series video tape recorders.

Dimensions: 18-3/4" (W) x 10-1/4" (H) x 19-1/4" (D).  
Weight 77 lbs.





## Sony 1 Inch Tape Videocorder model **EV-320**

The ultimate in a portable high quality video-tape recorder for either full NTSC Color (using CLP-1B Color Pack) or monochrome recording. A special feature is capstan-servo electronic editing which permits the insertion and/or assembling of sequences from a variety of sources with perfect synchronization. The EV-320 also features 2 channel audio, slow motion and stop action in the playback mode, plus audio dubbing after recording. Comes in metal case, is rack mountable, can be controlled from a remote location (using EVR-310 Remote Control Unit) and has interchangeability with all SONY EV series video tape recorders.

Dimensions: 18-3/4" (W) x 10-1/4" (H) x 19-1/4" (D).  
Weight 86 lbs.



## Sony 1 Inch Tape Timelapse Videocorder model **EV-330TLV**

A portable high quality video tape recorder for either full NTSC color (using CLP-1B Color Pack) or monochrome recording. In monochrome mode, it can continuously record more than 60 hrs. on a single reel of video tape. The tape can be played back at either the recorded speed or up to 60 times faster to locate a particular frame. Other features include 2 channel audio, slow motion and stop action in the playback mode, editing and audio dubbing after recording. Comes in a metal case, is rack mountable, can be controlled from a remote location (using EVR-310 Remote Control Unit), and has interchangeability of tape with all SONY EV series video recorders.

Dimensions: 18-3/4" (W) x 11-1/8" (H) x 19-1/4" (D).  
Weight 86 lbs.





# Video Cameras and Video Camera Ensembles



## Sony Video Camera Ensemble model **AVC-3200**

The AVC-3200, is a compact video camera suitable for both closed-circuit television and video tape recording. It is extremely simple to operate, with "point-and-shoot" procedures and a sensitivity control that automatically adapts the camera to a wide range of lighting conditions (indoors—30 footcandles, to bright outdoors—10,000 footcandles). The special frequency compensation (video processing) system assures crisp, high-resolution pictures; solid-state circuits, using SONY FETs, are designed for rugged continuous operation. When the camera is not in use while the circuitry is activated, a mechanical shutter protects the vidicon. The camera's "C-mount" makes for the most versatile lens interchangeability.

Dimensions: 4-3/4" (H) x 4-3/16" (W) x 13-1/4" (L).  
Weight 6 lbs. 8 oz.



### **AVC-3200K** Ensemble

The AVC-3200K consists, apart from the camera itself, of a tripod, a microphone, cables, and an attractive carrying case that accommodates the entire ensemble.

Dimensions: (in case)  
6" (W) x 17-1/2" (H) x 22" (L)  
Weight 32 lbs.



### **AVC-3200DX** Ensemble

The AVC-3200DX consists, apart from the camera itself, of a tripod, a microphone, cables, zoom lens instead of standard lens, electronic viewfinder that can be mounted atop the camera, and an attractive carrying case that accommodates the entire ensemble.

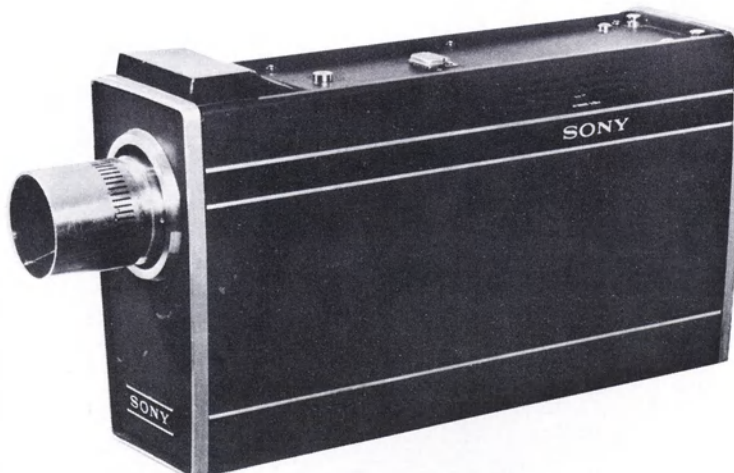
Dimensions: (in case)  
6" (W) x 17-1/2" (H) x 22" (L)  
Weight 39 lbs.

## Professional Video Camera model **DXC-2000A**

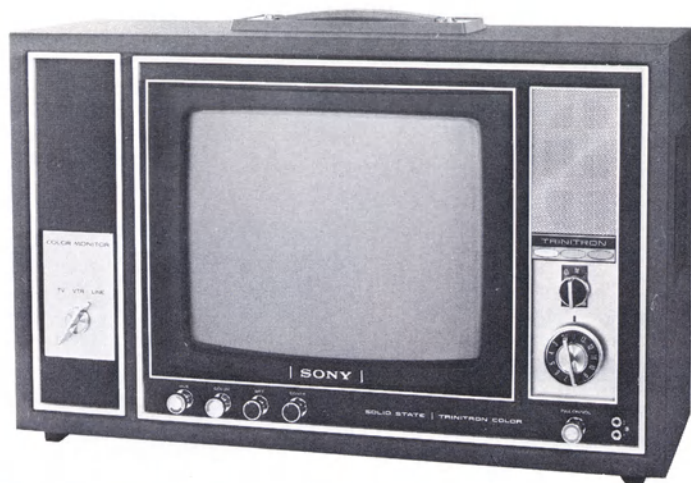
The DXC-2000A is a professional video camera that offers simplicity of operation and high-quality performance. Video signals produced by the DXC-2000A are of extremely high resolution and stability. The camera is of all solid-state design and features an internal crystal-controlled sync generator with 2:1 interlace, and automatic sensitivity control. Exceptionally sharp pictures are provided over a wide range of light levels.

An optional, snap-on electronic viewfinder is available for use with the DXC-2000A.

Dimensions: 3-15/16" (W) x 7-13/16" (H) x 13-13/16" (D). Weight 13 lbs. 8 oz.







## Receiver Monitor—Color

### CVM-1200U

Portable

Trinitron Color Monitor/TV Receiver.  
12" (measured diagonally)

Dimensions: 21-13/16" (W) x 14-1/32" (H) x 15-7/8" (D).  
Weight 48 lbs. 8 oz.

## Receiver/Monitors—Monochrome

### CVM-51UWP

Portable Monitor/  
TV Receiver.

8" (measured diagonally)

Dimensions:  
9" (W) x 10" (H) x 8-5/8" (D).  
Weight 10 lbs.



### PVJ-3030

Portable Monitor.

5" (measured diagonally)

Dimensions:  
4-1/4" (H) x 8-3/8" (W) x  
6-5/8" (D). Weight 8 lbs.



### CVM-110U

Portable Monitor/  
TV Receiver.

11" (measured diagonally)

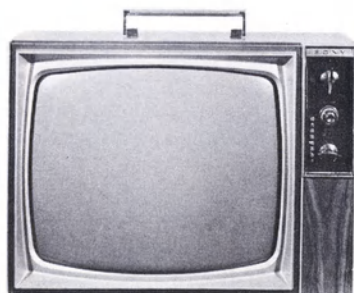
Dimensions:  
11-7/8" (W) x 11-5/8" (H) x  
11-5/8" (D). Weight 17 lbs.  
3 oz.

### PVJ-510

Portable Monitor.

8" (measured diagonally)

Dimensions:  
10" (H) x 9" (W) x 10" (D).  
Weight 10 lbs.

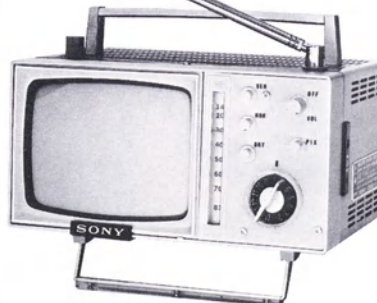


### CVM-180UA

Portable Large  
Screen Monitor/TV  
Receiver.

18" (measured diagonally)

Dimensions:  
15-1/2" (H) x 21-1/4" (W) x  
12-1/2" (D). Weight 50 lbs.

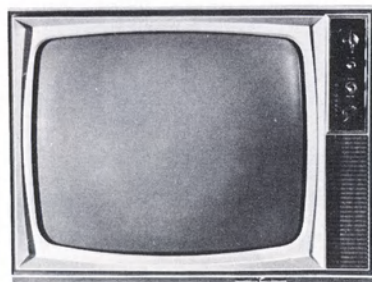


### PVJ-307RU

Portable Monitor/  
TV Receiver.

5" (measured diagonally)

Dimensions:  
4-1/4" (H) x 8-3/8" (W) x  
6-5/8" (D). Weight 8 lbs.



### CVM-220UA

Large Screen  
Monitor/TV  
Receiver.

22" (measured diagonally)

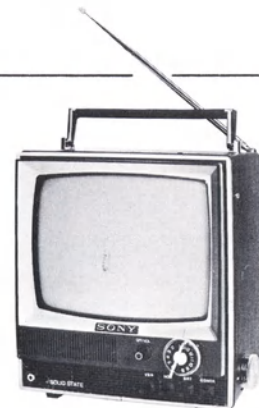
Dimensions:  
19-7/8" (H) x 26" (W) x  
13-5/8" (D). Weight 76 lbs.

### PVJ-51RU

Portable Monitor/  
TV Receiver.

8" (measured diagonally)

Dimensions:  
10" (H) x 9" (W) x 10" (D).  
Weight 11 lbs.



# Sony Scan Converter

model **IB-4/IB-5**

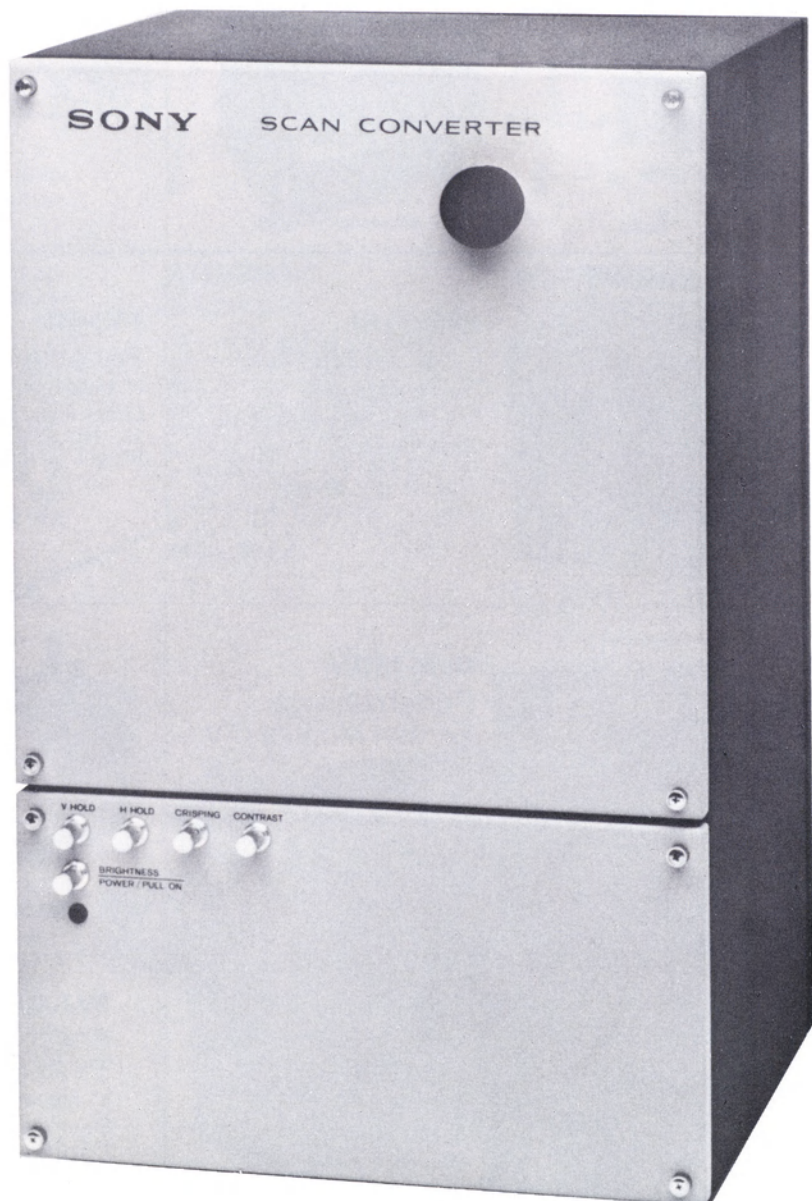
The SONY Scan Converter or "Image Buffer" serves to manipulate TV images, after they have been recorded on tape, in an almost limitless number of ways. It can also transfer these images from tape in one format onto tape in another format. Thus the Image Buffer can be used to eliminate image jitter or flag waving, to add special effects or titles to already recorded tapes, to help edit and assemble, and to convert tape into widely varying formats.

The IB-4 and IB-5 models are identical except that the IB-4 is limited to the EIA American Standard Signal, whereas the IB-5 will accept both EIA and CCIR (European Signal) and can convert EIA Signal into a CCIR Signal and vice versa.

Dimensions:  
17" (W) x 27-1/4" (H) x 11-3/4" (D)  
Weight 113 lbs.

IB-4

IB-5





## Sony 1 Inch Video Tape



SONY video tapes come in an attractive box, suitable for storage as well as for shipping or mailing.

SONY, which has been producing magnetic tapes for as long as magnetic tapes have existed, today makes the best and most popular video tape available. Manufactured in one of the world's largest magnetic tape production plants, under the most rigid of quality control standards, this tape has an extremely low friction coefficient that assures long tape life and protects recording heads. SONY 1 inch tape offers high fidelity reproduction in both color and black-and-white, and it lends itself especially to professional-quality applications in industry and education.

Other advantages of SONY video tape are that it comes in a variety of lengths, that it is handsomely packaged, and that it is readily available from nationwide supply depots and franchised dealers.



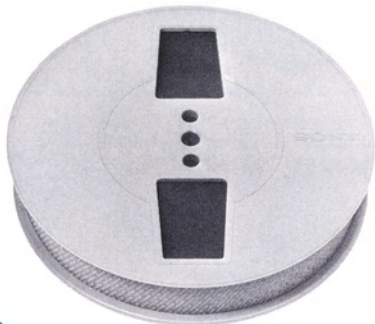
### V-11-30

1250 Ft., 30 minutes playing time, on plastic reel.



### V-11-30A

1250 Ft., 30 minutes playing time, on precision metal reel.



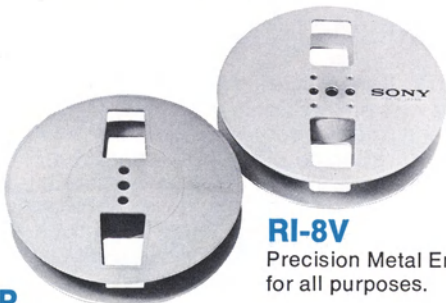
### V-11-60

2460 Ft., 60 minutes playing time, on plastic reel.



### V-11-60A

2460 Ft., 60 minutes playing time, on precision metal reel.



### RI-8VP

Plastic Empty Reel for all purposes.

### RI-8V

Precision Metal Empty Reel for all purposes.



### BR-8

Empty Box for 1" tapes and reels.

# Microphones

## Electret Condenser Microphones

SONY Electret Condenser Microphones are the first professional quality microphones ever mass produced with low cost and high reliability. Some unique features are, very high sensitivity, special high-polyme diaphragm for microphone capsule, IC (integrated circuit) in amplifier section, stability and durability, convenience... long life battery operation and easy battery replacement, compact styling, excellent signal to noise ratio, wide dynamic range.

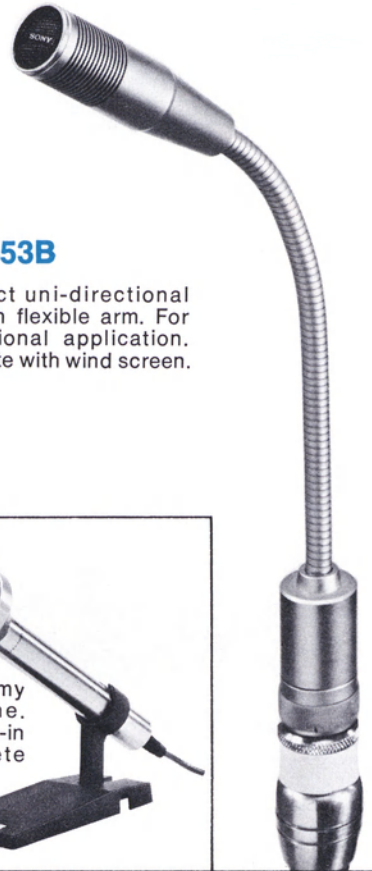


### ECM-50

Finest performance omni-directional lavalier mic. 0.16 oz. for mic and 3.5 oz. for connector. Complete with cable, tie clip, wind screen.

### ECM-53B

Compact uni-directional mic with flexible arm. For professional application. Complete with wind screen.



### ECM-19B

Unidirectional economy condenser microphone. Unique design with built-in wind screen. Complete with mic stand.



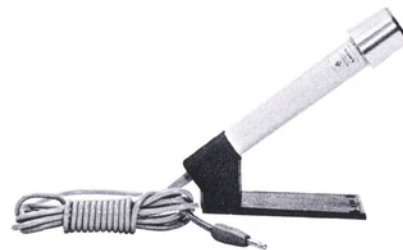
### ECM-21

Slim professional style uni-directional mic with wind screen and mic stand.



### ECM-22

Professional quality uni-directional mic with specially developed low noise FET. High sensitivity and wide frequency response. Complete with cable and wind screen.



### F-98 Dynamic Microphone

The SONY Dynamic microphone is precisely designed with all the highly advanced acoustical engineering techniques of SONY. Because of its highly directional (cardioid) characteristics the F-98 has superior ability to eliminate unwanted background noise. It is lightweight, rugged and comes complete with microphone stand.

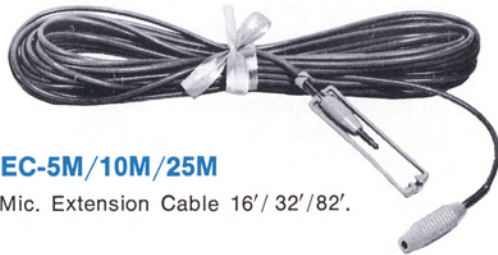


# Microphone Accessories



## MX-800 Mic. Mixer

Five channel (four mic and one auxiliary), completely transistorized, portable microphone mixer. Individual and master volume control, high or low impedance input.  
Dimensions: 2-1/2" (H) x 5-1/4" (D) x 11-3/8". Weight 4 lbs.



## EC-5M/10M/25M

Mic. Extension Cable 16' / 32' / 82'.



## EXC-1A

XLR Male—  
Mini Plug  
Connector 5'.



## PC-1

Plug Connector (regular  
plug to mini plug).



## PC-2

Plug Connector (mini plug  
to regular plug).



## EXC-1B

XLR Male—  
Mini Jack  
Connector 5'.



## AXC-1/5/10

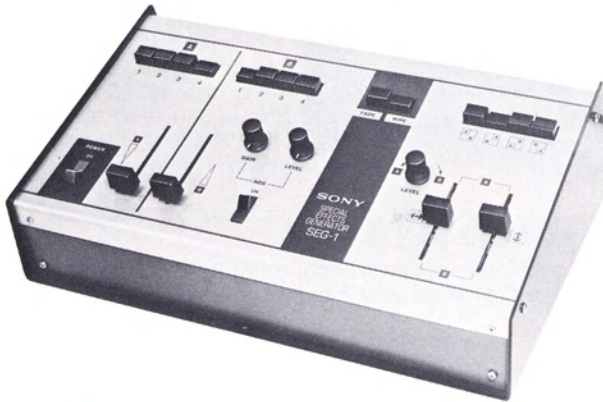
XLR Male —  
XLR Female  
Connector 5' / 16' / 32'.



## EXC-1C

XLR Female —  
Mini Plug  
Connector 5'.

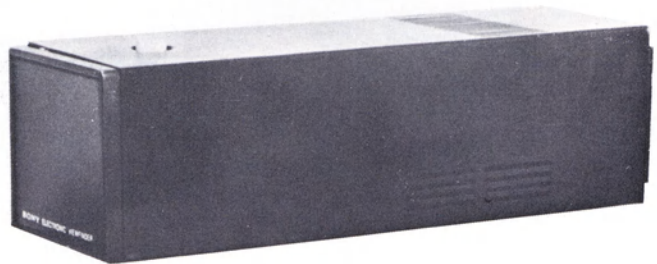
# Video Camera Accessories



## SEG-1

The SONY Special Effects Generator SEG-1 provides such dramatic effects as switching, fading, superimposing, or wiping two video signals. The SEG-1 can accept inputs of up to four video cameras and can monitor the output of each camera. One channel may be inverted, if desired, to yield a negative picture. In addition, an internal sync generator supplies 2:1 interlace sync, or sync may be supplied from an external source. The SEG-1 can be used with any SONY video camera or any other video camera with external sync input, any monitor, and any video tape recorder.

Dimensions: 5-1/4" (H) x 15-1/2" (W) x 10" (D).  
Weight: 8-1/2 lbs.



## DXF-4

### Electronic Viewfinder

The all solid-state DXF-4 Electronic Viewfinder is an ideal companion piece to the DXC-2000A Video Camera. The viewfinder features a 4" diagonal screen that lets you immediately see what the camera sees. The DXF-4 snaps onto the top of the camera and requires no additional hardware or cable connections.

Dimensions: 3-1/4" (H) x 3-3/4" (W) x 11-1/4" (L).  
Weight 4 lbs.



## AVF-3200

### Electronic Viewfinder

This all solid-state Electronic Viewfinder is designed for use with the AVC-3200 Camera. The viewfinder features a 4" diagonal screen that lets you see what the camera sees. The AVF-3200 requires no additional hardware or cable connections as it snaps on to the top of the camera.

Dimensions: 4-1/4" (H) x 4-1/4" (W) x 13-1/2" (L).  
Weight 5-1/4 lbs.



### 507 Lens

Wide Angle  
Lens,  
12.5mm F1.9.



### 214 Lens

Telephoto  
Lens  
75mm F1.9.



### VCL-20

Zoom Lens,  
20mm-  
80mm F2.5.



### VCL-16

Zoom Lens,  
16mm-  
64mm F2.0.



# Video Camera Accessories



**TD-200**

Dolly-equipped tripod with full features for pan, tilt and elevator.



**VCT-20A**  
Elevator Tripod



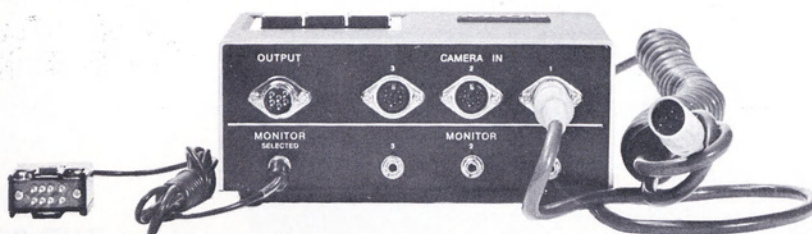
**TD-1**

Tripod dolly.



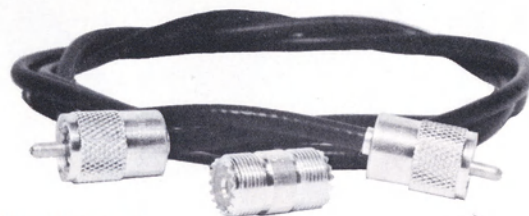
**CG-1**

2:1 Interlace Sync Generator, pulse and square wave switchable.



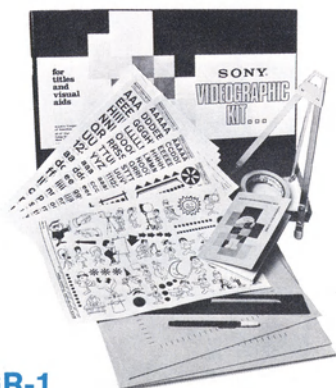
**VCS-31**

Camera Selector to operate up to 3 cameras.



**RGC-5/15/25/50**

Coaxial cable with UHF connectors and spare female feed, 5'/15'/25'/50'.



**VGR-1**

Videographic Kit for production of visual aids.



**CCF-5/10/25/50**

Camera Extension Cable  
16'/32'/ 82'/164'.



**CMC-1**

Video Monitor Cable with 8 pin and mini plug.

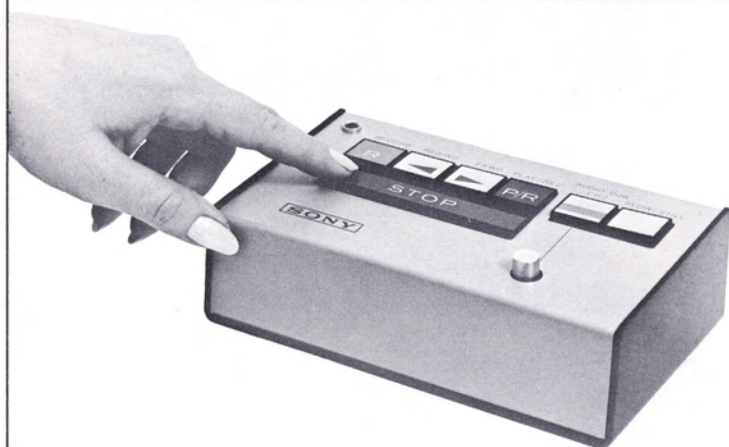
# Video Tape Recorder Accessories

## CLP-1B

### Video Color Pack

Gives the EV-310, EV-320 and EV-330TLV, full NTSC color, record and playback capabilities. Variations in saturation and hue are eliminated, simple cable connection. No modifications necessary on VTR.

Dimensions: 19-1/2" (W) x 10" (H) x 9" (D).  
Weight 23 lbs. 2 oz.



## EVR-310

Remote control unit for use with the EV-300, EV-310, EV-320 and EV-330TLV. All record and playback functions (record, rewind, fast forward, playback; record audio channel 2, slow/still and stop action) can be controlled from a remote location.

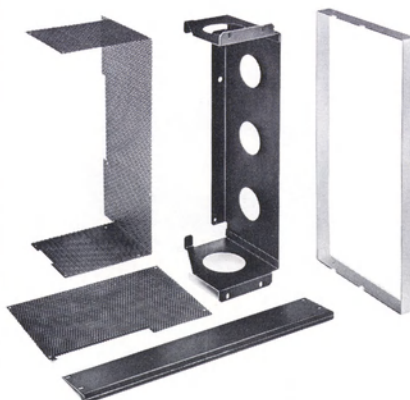


## RCC-10

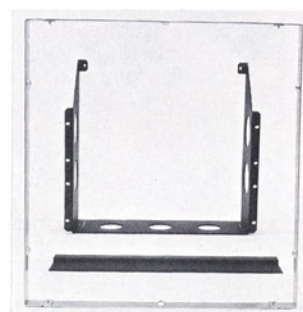
30 Ft. extension cable for EVR-310.

## RCC-15

50 Ft. extension cable for EVR-310.



**RMM-1** Rack mount for CLP-1B (for 19" EIA rack).

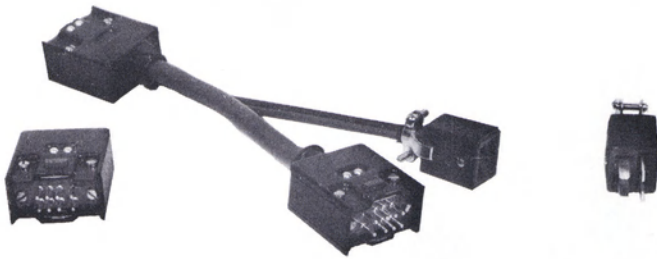


## RMM-2

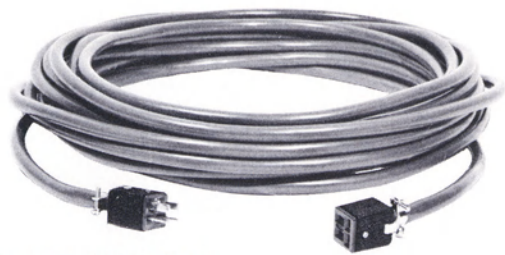
Rack mount for EV-300, EV-310, EV-320, and EV-330 TLV (for 19" EIA rack).



# Monitor Accessories



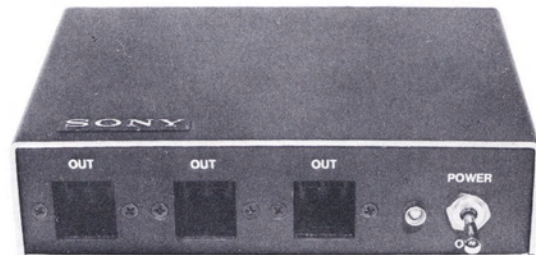
**VMC-1B**\* Y type Branch Cord.



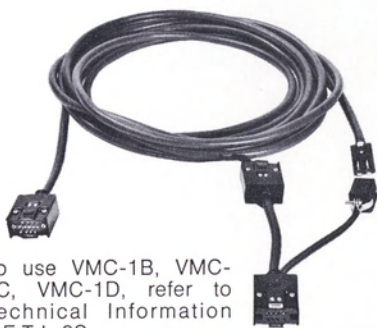
**VMC-10B/25B/50B**  
Playback Extension Cable with 4 pin connectors, 32' / 82' / 164'.



**VMC-1C**\* Y type Branch Cord with UHF Connector.



**DA-10**\*\* Audio-Video Distribution Amplifier,  
one input, four output.



**VMC-1D**\*  
Y type Branch Cord  
with 16' cable.

\*To use VMC-1B, VMC-1C, VMC-1D, refer to Technical Information P.E.T.I.-3S.



**VMC-10A/25A**  
Video Extension  
Cable with 8 pin  
connectors 32' / 82'.



**VMC-1E/5E**\*\*  
Connecting Cable for DA-10, 3' / 16.5'.

\*\*To use DA-10, VMC-1E/5E, VMC-1J, VMC-1H, refer to Technical Information P.E.T.I.-6.



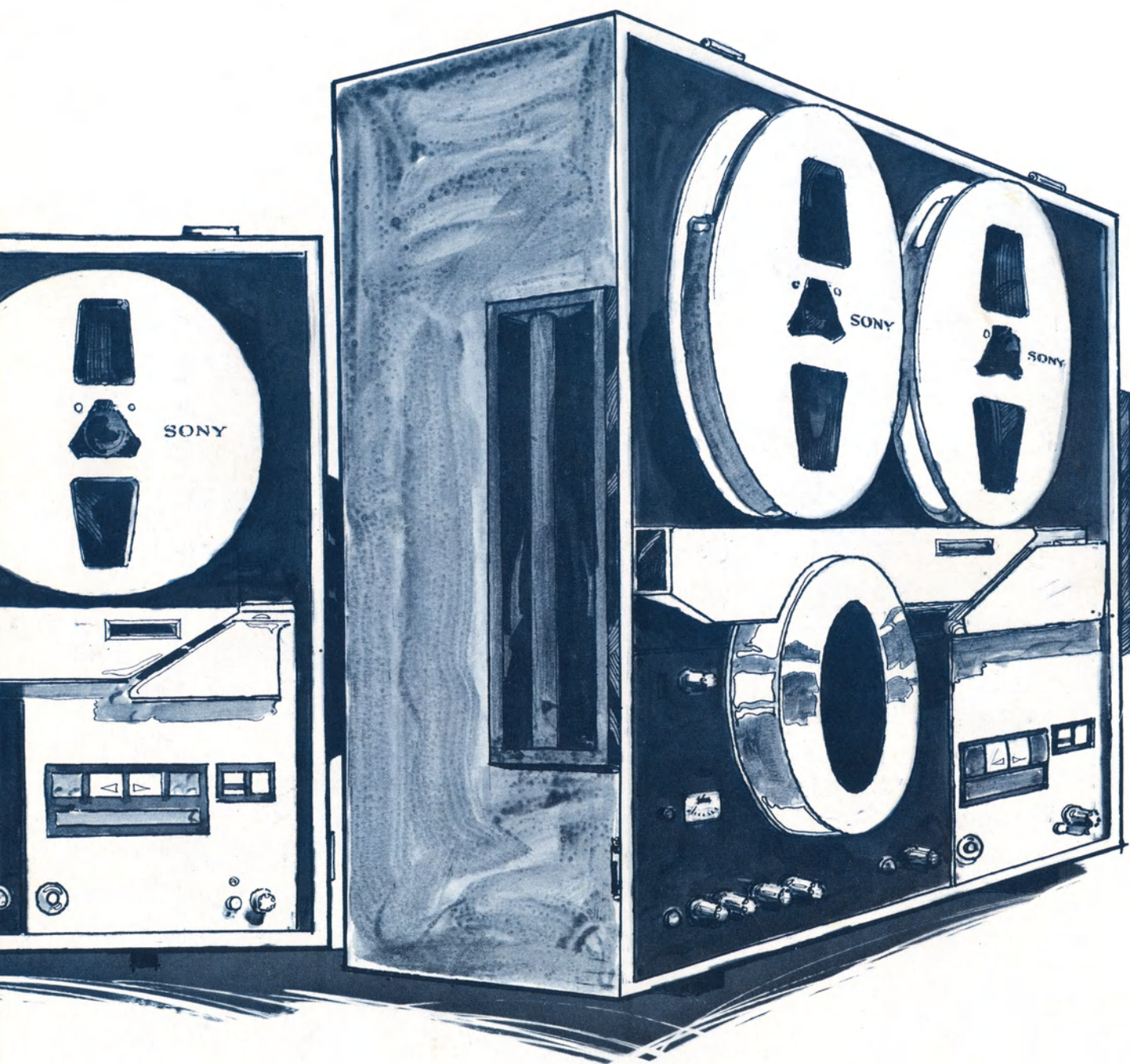
**VMC-1H**\*\*  
8 pin female-female connector to  
connect two 8 pin cables.



**VMC-1J**\*\*  
Multiple Connecting Cable for DA-10.

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